

What Is Claimed Is:

1. A sheathed-element glow plug for an internal combustion engine, made up essentially of a plug shell and a glow element that is electrically connected to the plug shell, as well as an integrated pressure sensor, wherein at least one elastic element (4; 204, 204'; 304) is provided that is situated between the inner surface (10) of the plug shell (2) and the glow element (3), this element forming an electrical contact both to a part of the inner surface (10) of the plug shell (2) and to a part of the glow element surface (7), and this element being deformable when a force acts on the glow element (3), and this element permitting a relative movement between the glow element (3) and the shell (2).
2. The sheathed-element glow plug as recited in Claim 1, wherein an adjustment of the position of the elastic element (4; 204, 204'; 304) takes place via a support (11; 111; 211) inside the shell (2).
3. The sheathed-element glow plug as recited in at least one of the preceding claims, wherein an adjustment of the position of the elastic element (4; 204, 204'; 304) takes place via a press ring (118; 218) attached inside the shell (2).
4. The sheathed-element glow plug as recited in at least one of the preceding claims, wherein an adjustment of the position of the elastic element (4; 204, 204'; 304) takes place via welding points (320) attached to the shell (2).
5. The sheathed-element glow plug as recited in at least one of the preceding claims, wherein the glow element (3) has at least one radial projection (219) on which elastic elements (204, 204') are situated on both sides.
6. The sheathed-element glow plug as recited in at least one of the preceding claims,

wherein the at least one elastic element (4; 204, 204'; 304) is present in the form of a tension spring element (304).

7. The sheathed-element glow plug as recited in at least one of the preceding claims,
wherein a pressure sensor is situated behind or next to the glow element (3).